

ITS LANDS AND  
ITS OPPOR-  
TUNITIES?

[illegible]

It is a curious fact that the Africans in light of the fact that they have the iron from which he makes his most remarkable steel weapons, uses neither stone nor metal in obtaining the spark. It is interesting to observe that the technique of obtaining the spark. They may be divided by the north motion required into four classes. I. Indians, Australians, Eskimos, Hindoos, and others use the whirling or drilling motion. II. Malays, Chinese, and others use sawing movement. Polynesians, Papuans and others use a plowing motion, while the custom of obtaining fire by striking a light stone seems now confined among the Chinese and Malays. In all the above several methods are used, according to circumstances and the means at hand. A very full collection of fire-making implements may be seen in the Chinese Museum at South Kensington, in London.

The simplest and probably the most common and most widely used device is called the two-stick apparatus. It has been used everywhere and at all times, from the earliest times to the present. The stick, which rests on the ground, acts as a hearth, and a smooth, round stick, from one-and-a-half to two feet long, which we will call the drill. In the grade school, the teacher usually has a number of very dry tool the different tribes show their mental development—their ingenuity or power of thinking. The wood chosen for the hearth is dry, worm-eaten, and the drill is made of cedar. Drills are also chosen of different inflammable wood. Many tribes prefer the starchiest stem of some flowering plant.

ing from these sockets or fire-holes the tinder beneath. The tinder is made of shredded bark, or fungus, which he catches fire quickly and burns slowly a slow smother.

He then kneels with one knee each end of the hearth, which is of convenient length, and, placing the end of the fire-stick upright in one of the sockets, or fire-holes, he begins to turn it, sometimes by means of binding them back and forth past and over the fingers, sometimes by turning them almost to the finger tips. At the same time he presses the drill firmly into the fire-hole, letting his hands slide up and down the hole as he reaches the bottom, when the fire he brought back to the top with a quick det motion, and move swiftly down again.

Now you will see that the wood he is boring round off the end of the

the narrow slot leading from the hole to the tinder beneath. As the amount of powder increases, it glows darker and darker, until it is almost black. You will notice that the tinder has been heated from the stick being twined from 15 to 45 seconds and a little curl of queer-colored smoke begins to arise. Combustion has begun. The Indian will then tap the powder lightly with the stick, and the pellet will drop out of the slot to the tinder below where it can easily be blown into a blaze. It is necessary to keep the tinder moist, heated dust in the tinder, if heath, to be to be from wood, cotton, or H. L. Jerome, in St. Nicholas.

**How It Struck Papa.**  
"Mamma went to the auction and bought one of those decorated tin praying machines. She thought

"Did it?"  
"At first. He was just looking at me and asked for prices. My mamma told him he swore like a trooper."  
"What did your mother say?"  
"She said she was glad it was a picture of me and not a photograph of Cleveland Leuder."  
**Work of Missouri Legislature.**  
Jefferson City, Mo., May 23.—Ne 1,500 bills were introduced in assembly which adjourned sine die yesterday. The bills passed by the assembly in the house there were 922 and passed in the senate, the last one being introduced by Senator Haynes. In addition there were a number of revision bills. The assembly passed 130 bills and 131 senate bills. At the close of the day there were bills pending in each branch.

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